

**REMARKS**

Claims 1-3, 6 and 7 are pending in this application. By this Amendment, new Fig. 17 is added, claims 4 and 5 are withdrawn, and the specification and claims 1-3, 6 and 7 are amended.

In particular, claims 4 and 5 are withdrawn due to the finality of the Restriction Requirement indicated by the Examiner. Claims 1-3 are amended to recite a first output winding for outputting an X direction component of the rotor and a second output winding for outputting a Y direction component of the rotor. See Figs. 1 and 4, the originally filed claim 5 and the specification at, for example, page 11, line 30 - page 12, line 5, and pages 12-24.

Claim 6 is amended to obviate informality, and not for reasons related to patentability. Claims 7 is amended to be consistent with the amendments to claim 1.

New Fig. 17 is added, as requested by the Examiner, to show that the excitation winding and the first or second output winding are wound around an identical pole of the stator. See the originally filed claim 2 and the specification at, for example, page 7, lines 23-28, and page 12, lines 3-5. No new matter is added.

Reconsideration of the application is respectfully requested.

The Office Action objects to the drawings. New Fig. 17 is added, as requested by the Examiner. Withdrawal of the objection to the drawings is respectfully requested.

The Office Action rejects claims 1-3, 6 and 7 under 35 U.S.C. §102(b) over U.S. Patent No. 5,051,847 to Philipps; claims 1, 2 and 6 under 35 U.S.C. §102(b) over U.S. Patent No. 4,659,973 to Stich; and claims 1, 2 and 6 under 35 U.S.C. §102(b) over U.S. Patent No. 4,342,952 to Bowie. These rejections are respectfully traversed.

Applicants respectfully submit that Philipps, Stich, and Bowie do not disclose or suggest a first output winding for outputting an X direction component of the rotor and a

second output winding for outputting a Y direction component of the rotor, as recited in claims 1-3, 6 and 7.

Philipps discloses a rotary transformer 1 having a revolving rotor winding 3 that outputs digital radio signals to a switchable recording amplifier 7. See Fig. 1 and col. 2, lines 8-27. Phillips does not disclose or suggest a second output winding for outputting a component of a rotor in a second direction. Thus, Phillips does not disclose or suggest a first output winding for outputting an X direction component of the rotor and a second output winding for outputting a Y direction component of the rotor, as recited in claims 1-3, 6 and 7.

Stich discloses a rotating transformer 14 having a output winding 18. Stich does not disclose or suggest a second output winding for outputting a component of a rotor in a second direction. Therefore, Stich does not disclose or suggest a first output winding for outputting an X direction component of the rotor and a second output winding for outputting a Y direction component of the rotor, as recited in claims 1-3, 6 and 7.

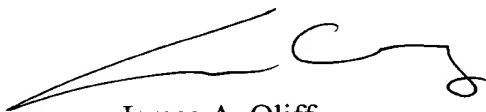
Bowie discloses a control transformer 11 connected to a differential amplifier 13 to supply an output signal voltage. See Fig. 1 and col. 2, lines 14-20. Nowhere does Bowie disclose or suggest a second output winding for outputting a component of a rotor in a different direction. Therefore, Bowie does not disclose or suggest a first output winding for outputting an X direction component of the rotor and a second output winding for outputting a Y direction component of the rotor, as recited in claims 1-3, 6 and 7.

For at least the above reasons, Philipps, Stich and Bowie do not disclose or suggest the subject matter recited in claims 1-3, 6 and 7. Philipps, Stich and Bowie do not disclose each and every element recited in claims 1-3, 6 and 7. Withdrawal of the rejections of claims 1-3, 6 and 7 under 35 U.S.C. §102(b) is respectfully requested.

In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance of claims 1-3, 6 and 7 are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,



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JAO:GXL/rle

Attachments:

Petition for Extension of Time  
Added Sheet (Fig. 17)

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